

What is claimed is:

1. An optical fiber drawing apparatus, comprising:
  - a heating furnace adapted to melt an optical fiber mother material and to draw an optical fiber;
  - 5 an optical fiber standard value controller unit adapted to control standard values of the optical fiber drawn;
  - a fixing roller adapted to change a drawing direction of the optical fiber;
  - 10 at least one or more moving rollers which are movable on a drawing surface for adjusting a curvature radius of the optical fiber which has a changed drawing direction;
  - and
  - 15 a winding apparatus adapted to wind the optical fiber which has an adjusted curvature radius.
2. The apparatus of claim 1, wherein there is provided a bracket connected to said at least one or more moving rollers, respectively, in order for said at least one or more moving rollers to move along a drawing surface of the optical fiber.
3. The apparatus of claim 2, wherein said bracket comprises a vertical direction guide in which grooved in a vertical direction and which a shaft of each of at least one or 20 more moving rollers is embedded and in order for said at least one or more moving rollers to reciprocate in a vertical direction.
4. The apparatus of claim 3, wherein a pivot joint is installed in one side of the bracket, and the bracket rotates about the pivot joint.

5. The apparatus of claim 2, further comprising an apparatus capable of impressing a spin to the optical fiber by reciprocating the bracket in a vertical direction with respect to a drawing surface of the optical fiber, said apparatus being connected with a bracket connected to one among at least one or more moving rollers.

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6. The apparatus of claim 5, wherein said apparatus adapted to impress a spin to the optical fiber is a link connected CAM.

7. The apparatus of claim 1, wherein said optical fiber standard value controller unit  
10 comprises:

an optical fiber diameter controller unit adapted to measure and control the diameter of the optical fiber; and

an optical fiber fabricating unit adapted to process an optical fiber that the diameter of the same is measured.

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8. The apparatus of claim 7, wherein said optical fiber diameter controller unit comprises:

a diameter measuring device adapted to measure a diameter of an optical fiber drawn from the heating furnace; and

20 a capstan adapted to draw an optical fiber having a particular diameter with respect to the diameter measured.

9. The apparatus of claim 7, wherein said optical fiber fabricating unit comprises:

a cooling apparatus adapted to cool the optical fiber melted in the heating furnace;

25 a coating apparatus adapted to coat the cooled optical fiber with a certain coating

material; and

a violet ray hardening apparatus adapted to harden the optical fiber coated.